## WARM UP PROBLEMS

## CROSSROADS ACADEMY AMC-8 PREPARATION

$\begin{array}{c} \textbf{Problem.} \\ primes. \end{array}$	Fin all pri	mes that	can be	written	both  as  a	n sum d	and a di	$\it fference o_j$	f two other
Problem. 2?	How many	five-digi	t  number	rs consis	t only o	f even a	ligits, at	least one	of which is

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**Problem.** Find all pairs of digits (a,b) such that if m=10a+b and n=10b+a then:  $\frac{m}{n}=2-\frac{b}{a}$ 

**Problem.** What is the remainder when  $1! + 2! + 3! + \cdots + 2015!$  is divided by 100?

